## IN THE SPECIFICATION

Please replace paragraph 12 with the following paragraph.

between first and second reflected polarized light signal components, the method comprising the steps of transmitting a first incident light signal toward a first object, wherein said first object is one of a magnetic disk and a glass substrate, separating from a reflected light signal that has reflected off said first object a first mixed reflected polarized light signal component having a first phase and a second mixed reflected polarized light signal component having a second phase that is different from said first phase, wherein said first mixed reflected polarized light signal component comprises both P-polarized and S-polarized light relative to a plane of incidence of said reflected light signal, and wherein said second mixed reflected polarized light signal component comprises both P-polarized and S-polarized light relative to the plane of incidence of said reflected light signal. Detecting a first intensity of said first mixed reflected polarized light signal component, detecting a second intensity of said second mixed reflected polarized light signal component; and determining a difference in phase between said first and second mixed reflected polarized light signal components based upon said first and second intensities.

## IN THE CLAIMS

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Please amend the claims as set forth below.

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5	1. (Currently Amended) A method for measuring a first phase difference between			
6	first and second mixed reflected polarized light signal components, the method comprising the			
7	steps of:			
8	transmitting a first incident light signal toward a first object, wherein said first object is			
9	one of a magnetic disk and a glass substrate;			
10	separating from a reflected light signal that has reflected off said first object a the first			
11	mixed reflected polarized light signal component having a first phase and a the second mixed			
12	reflected polarized light signal component having a second phase that is different from said first			
13	phase, wherein said first mixed reflected polarized light signal component comprises both P-			
14	polarized and S-polarized light relative to a plane of incidence of said reflected light signal, and			
15	wherein said second mixed reflected polarized light signal component comprises both P-			
16	polarized and S-polarized light relative to the plane of incidence of said reflected light signal;			
17	detecting a first intensity of said first mixed reflected polarized light signal component;			
18	detecting a second intensity of said second mixed reflected polarized light signal			
19	component; and			
20	determining a difference in phase between said first and second mixed reflected polarized			
21	light signal components based upon said first and second intensities.			
1	2. (Original) The method of claim 1 further comprising the step of:			
2	determining a texture on said first object based upon said difference in phase.			
1	3. (Original) The method of claim 1, further comprising the step of:			

determining a thickness of a lubricant on said first object based upon said difference in

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phase.

1	4. (Original) The method of claim 1, further comprising the step of:
2	determining a thickness of a carbon layer of said first object based upon said difference in
3	phase.
1	5. (Original) The method of claim 1, further comprising the step of:
2	determining a magnetic characteristic of said first object based upon said difference in
3	phase.
1	6. (Original) The method of claim 1, further comprising the step of:
2	polarizing said first incident light signal to generate a first incident polarized light signal
3	component and a second incident polarized light signal component of said first incident light
4	signal, said first and second incident polarized light signal components being orthogonally
5	polarized.
1 .	7. (Original) The method of claim 1, wherein said first and second mixed reflected
2	polarized light signal components are orthogonally polarized.
1	8. (Original) The method of claim 1, further comprising the step of:
2	measuring the magneto-optic Kerr effect based upon said difference in phase.
1	9. (Original) The method of claim 8, further comprising the steps of:
2	determining a defect exists at a first location on the first object based upon said first and
3	second intensities; and
4	marking said first location to identify said defect.

1.	10. (Original) The method of claim 9, wherein said marking step further comprises
2	the steps of:
3	moving a mechanical scribe to a position substantially adjacent to said first location;
4	positioning said mechanical scribe at substantially said first location; and
5	marking said first location with said mechanical scribe.
1	Original) The method of claim 1, further comprising the steps of:
2	determining a defect exists at a first location on the first object based upon said first and
3	second intensities; and
4	marking said first location to identify said defect.
1	12. (Original) The method of claim 11, wherein said marking step further comprises
2	the steps of:
3	moving a mechanical scribe to a position substantially adjacent to said first location;
4	positioning said mechanical scribe at substantially said first location; and
5 -	marking said first location with said mechanical scribe.
1	13. (Original) The method of claim 1 wherein the step of determining a difference
2	includes:
3	determining a difference between said first and second intensities to reduce the effect on
4	at least one measured value of a texture on said first object.
1	14. (Currently Amended) A system for measuring a first phase difference between
2	first and second mixed reflected polarized light signal components, comprising:

3	a light source for transmitting a first incident light signal toward a first object wherein
4	said first object is one of a magnetic disk and a glass substrate;
5	a polarization splitter for separating from a first reflected light signal, that has reflected
6	off of said first object, the first mixed reflected polarized light signal component having a first
7	phase, and the second mixed reflected polarized light signal component having a second phase
8	that is different from said first phase, wherein the first mixed reflected polarized light signal
9	component comprises both P-polarized and S-polarized light relative to a plane of incidence of
10	said reflected light signal, and wherein the second mixed reflected polarized light signal
11	component comprises both P-polarized and S-polarized light relative to the plane of incidence of
12	said reflected light signal;
13	a first detector for detecting a first intensity of the first mixed reflected polarized light
14	signal component;
15	a second detector for detecting a second intensity of the second mixed reflected polarized
16	light signal component; and
17	a phase determinator for determining a difference in phase between the first and second
.18	mixed reflected polarized light signal components based upon said first and second intensities.
1	15. (Original) The system of claim 14, wherein said phase determinator comprises:
. 2	a texture eliminator for determining a difference between said first and second intensities
. 3	to reduce the effect on at least one measured value of a texture on said first object.
1	16. (Original) The system of claim 14, further comprising:
2	a thickness determinator for determining a thickness of a lubricant on said first object

based upon said difference in phase.

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l	17. (Original) The system of claim 14, further comprising:
2	a carbon thickness determinator for determining a thickness of a carbon layer of said firs
3	object based upon said difference in phase.
1	18. (Original) The system of claim 14, further comprising:
2	a magnetic identifier for determining a magnetic characteristic of said first object based
3	upon said difference in phase.
1	19. (Original) The system of claim 14, further comprising:
2	a Kerr effect determinator for measuring the magneto-optic Kerr effect based upon said
3	difference in phase.
1	20. (Original) The system of claim 19, further comprising:
2	a defect determinator for determining a defect exists at a first location on the first object
3	based upon said first and second intensities; and
4	a mechanical scribe for marking said first location to identify said defect.
1	21. (Original) The system of claim 20, further comprising:
2	a scribe positioner for moving a mechanical scribe to a position substantially adjacent to
3	said first location before marking said first location.
1	22. (Original) The system of claim 14, further comprising:
2	a defect determinator for determining a defect exists at a first location on the first object
3	based upon said first and second intensities; and
4	a mechanical scribe for marking said first location to identify said defect.

- 1 23. (Original) The system of claim 22, further comprising:
- a scribe positioner for moving a mechanical scribe to a position substantially adjacent to
- 3 said first location before marking said first location.
- 1 24. (Original) The system of claim 14, further comprising:
- 2 a polarizer for polarizing said first incident light signal to generate a first incident
- 3 polarized light signal component and a second incident polarized light signal component of said
- 4 first incident light signal, said first and second incident polarized light signal components being
- 5 orthogonally polarized.
- 1 25. (New) The method of claim 1, wherein said first incident light signal is an
- 2 ultraviolet light signal.
- 1 26. (New) The method of claim 1, wherein said first incident light signal is an
- 2 infrared light signal.
- 1 27. (New) The method of claim 1, wherein said first incident light signal is a visible
- 2 light signal.
- 1 28. (New) The system of claim 14, wherein said first incident light signal is an
- 2 ultraviolet light signal.
- 1 29. (New) The system of claim 14, wherein said first incident light signal is an
- 2 infrared light signal.
- 1 30. (New) The system of claim 14, wherein said first incident light signal is an
- 2 visible light signal.

1	31. (New) A method for measuring a phase difference between first and second mixe
2	reflected polarized lights signals, comprising the steps of:
3	transmitting a first incident light signal toward a first object, wherein said first object is
4	one of a magnetic disk and a glass substrate;
5	adjusting a rotational angle of a quarter wave plate that receives a reflected light signal
6	that has reflected off said object;
7	separating from a quarter wave plate transmitted light signal, that has passed through said
8	quarter wave plate, the first mixed reflected polarized light signal component having a first phase
9	and the second mixed reflected polarized light signal component having a second phase that is
10	different from said first phase, wherein the first mixed reflected polarized light signal componen
11	comprises both P-polarized and S-polarized light relative to a plane of incidence of said reflected
12	light signal, and wherein the second mixed reflected polarized light signal component comprises
13	both P-polarized and S-polarized light relative to the plane of incidence of said reflected light
14	signal;
15	detecting a first intensity of the first mixed reflected polarized light signal component;
16	detecting a second intensity of the second mixed reflected polarized light signal
17	component; and
18	determining a difference in phase between the first and second mixed reflected polarized
19	light signal components based upon said first and second intensities.
1	32. (New) The method of claim 31 wherein said angle of said quarter wave plate is
2	adjusted to substantially optimize the sensitivity of said reflected light signal to at least one of a
3	Kerr effect, carbon thickness, defect or lubricant thickness of said object.

1		33.	(New) The method of claim 31 further comprising the step of:
2		deterr	mining a texture on said first object based upon said difference in phase.
1		34.	(New) The method of claim 31, further comprising the step of:
2		deterr	mining a thickness of a lubricant on said first object based upon said difference in
3	phase.		
1	•	35.	(New) The method of claim 31, further comprising the step of:
2		deterr	nining a thickness of a carbon layer of said first object based upon said difference in
3	phase.		
1		36.	(New) The method of claim 31, further comprising the step of:
2		deterr	mining a magnetic characteristic of said first object based upon said difference in
3	phase.		
1		37.	(New) The method of claim 31, further comprising the step of:
2		deterr	mining a Kerr effect of said first object based upon said difference in phase.
1		38	(New) The method of claim 31 wherein said step of adjusting said rotational
2	angle ι	ıtilizes	a motor.
1		39.	(New) The method of claim 38 wherein said motor is an electromagnetic motor.
1		40.	(New) The method of claim 38 wherein said motor is a pneumatic motor.
1		41.	(New) The method of claim 38 wherein said motor is a piezoelectric motor.
1		42.	(New) A system for measuring a phase difference between first and second mixed
2	reflecte	ed pola	arized light signal components, comprising:

3	a light source for transmitting a first incident light signal toward a first object wherein			
4	said first object is one of a magnetic disk and a glass substrate;			
5	a quarter wave plate, capable of being adjusted and disposed to receive a reflected light			
6	signal, said reflected light signal having reflected off said first object;			
7	a polarization splitter for separating from a quarter wave plate transmitted light signal,			
8	that has passed through said quarter wave plate, the first mixed reflected polarized light signal			
9	component having a first phase, and the second mixed reflected polarized light signal componen			
10	having a second phase that is different from said first phase, wherein the first mixed reflected			
11	polarized light signal component comprises both P-polarized and S-polarized light relative to a			
12	plane of incidence of said reflected light signal, and wherein the second mixed reflected			
13	polarized light signal component comprises both P-polarized and S-polarized light relative to the			
14	plane of incidence of said reflected light signal;			
15	a first detector for detecting a first intensity of the first mixed reflected polarized light			
16	signal component;			
17	a second detector for detecting a second intensity of the second mixed reflected polarized			
18	light signal component; and			
19	a phase determinator for determining a difference in phase between the first and second			
20	mixed reflected polarized light signal components based upon said first and second intensities.			
1	43. (New) The system of claim 42 wherein said angle of said quarter wave plate is			
2	adjusted to substantially optimize the sensitivity of said received reflected light signal to at least			
3	one of a Verr effect, earlier thickness, defect or lubricant thickness of said chiest			

(New) The system of claim 42 further comprising: 1 44. a texture determinator, for determining a texture on said first object based upon said 2 3 difference in phase. (New) The system of claim 42, further comprising: 1 45. 2 a lubricant thickness determinator, for determining a thickness of a lubricant on said first object based upon said difference in phase. 3 (New) The system of claim 42, further comprising: 46. 1 a carbon layer thickness determinator, for determining a thickness of a carbon layer of 2 said first object based upon said difference in phase. 3 1 47. (New) The system of claim 42, further comprising: a magnetic characteristic determinator, for determining a magnetic characteristic of said 2 first object based upon said difference in phase. 3 48. (New) The system of claim 42, further comprising: 1 a Kerr effect determinator, for determining a Kerr effect of said first object based upon 2 3 said difference in phase. 1 49 (New) The system of claim 42, further comprising a motor to adjust an angle of 2 said quarter wave plate. (New) The system of claim 49 wherein said motor is an electromagnetic motor. 1 50. 1 51. (New) The system of claim 49 wherein said motor is a pneumatic motor. (New) The system of claim 49 wherein said motor is a piezoelectric motor. 52. 1 1 53. (New) The system of claim 49 wherein said motor is a piezoelectric motor.